

Application of TAKEO – Serial No. 10/059,159 – Atty. Dkt. 008312/0290677

IN THE CLAIMS:

This listing of claims replaces all prior versions, and listings, of the claims in the application:

1.-2. (Canceled)

3. (Currently amended) A disk drive ~~according to claim 1~~ comprising:
a magnetic head having a write head for writing data on a data recording medium by a perpendicular magnetic recording method and a read head for reading data from the data recording medium; and
a disk recording medium provided with a plurality of tracks as data regions for storing data written by the write head and a guard band which is a non-recording region provided between tracks, the guard band being kept in an AC magnetized state or in a random magnetized state, wherein the non-recording region of the disk recording medium is kept in a state where an AC magnetized pattern is recorded at a frequency equal to or higher than a maximum frequency of a signal magnetic field recorded in the tracks.

4.-6. (Canceled)

7. (Previously presented) A process for manufacturing a disk drive of a perpendicular magnetic recording type, comprising:
a recording step for recording an AC magnetized pattern at a high frequency or a random magnetized pattern on an overall surface of the disk recording medium;
a track formatting step for forming a plurality of tracks on the overall surface of the disk recording medium with an area between the tracks left as a non-recording region; and
a servo write step for recording a servo signal in a predetermined servo area of the overall surface of the disk recording medium,
wherein the recording step for recording an AC magnetized pattern at a high frequency or a random magnetized pattern is performed with respect to the overall surface of the disk recording medium except for the predetermined servo area.